

ABSTRACT

The present invention provides a process for preparing bead polymers having an average particle size of 1 to 40 μm , which includes:

contacting:

at least one polymerizable mix which includes at least 50% by weight of at least one (meth)acrylate monomer,
at least one aluminum compound, and
an aqueous phase,

to prepare a mixture;

dispersing the mixture at a shear rate $\geq 10^3 \text{ s}^{-1}$ to form a dispersion, wherein the dispersion is stabilized by the aluminum compound; and

polymerizing to produce bead polymers having an average particle size of 1 to 40 μm .